Jer	ISBN - 0022852735		Publisher - Macmillan/McGraw-Hill							
Provided by the Publisher	Student Edition Big Book Package									
the P	Type - P2 Author - Had			ackett, and oth	ckett, and others				Š	
d by	Copyr	Copyright - 2009 Edition - First			I	Readab	oility -	Modified Dal	e-Chall 1.	6
ovide	Course - Science			(Grade(s) - 1					
ď	Teacher Edition ISBN if applicable 00228714						1497			
Overall Recommendation: Recommended as Basal										
This basal aligns well with the KY Standards, however it could strengthened in the Big Ideas including Biological Change, Energy Transformations, and Interdependence. Each lesson is organized around the 5-E Learning Cycle Model. Success with this basal requires that the teacher implements all components of each lesson. Most activity materials can be obtained locally, but some will have to be ordered. Important student and teacher resources are not included with the essential components and are unavailable as "Free with Purchase" items.										
CRITERIA This basal resource A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence Moderate Evidence Little or No Evidence										
☐ Text is designed to be used in an elective course outside the Program of Studies										
	1) Inc	ludes the 7 Bi	g Ideas of sc	ience to the f	ollowi	ng exte	ent:			
	a)	Structure and	Transformation	on of Matter			Stron	ng 🔲 Moderat	e 🔲 Little	□ N/A
	b)	Motion and Fo	rces				Stron	ng 🔲 Moderat	e 🗌 Little	□ N/A
	c)	The Earth and	the Universe	ı			Stron	ng 🔲 Moderat	e 🔲 Little	□ N/A
	d)	Unity and Dive	ersity				Stron	ng 🔲 Moderat	e 🗌 Little	□ N/A
	e)	Biological Cha	nge				Stron	ng 🔀 Moderat	e 🔲 Little	□ N/A
	f)	Energy Transf	ormation				Stron	ng 🔀 Moderat	e 🔲 Little	□ N/A
	g)	Interdepender	ice				☐ Stron	ng 🛚 Moderat	e 🗌 Little	□ N/A

standards.

Addresses content-specific skills and concepts from the related Program of Studies standards.	☐ Strong ☑ Moderate ☐ Little ☐ N/A				
4) Content addressed is current, relevant and non- trivial	Strong ☐ Moderate ☐ Little ☐ N/A				
5) Provides opportunities for critical thinking/reasoning	Strong ☐ Moderate ☐ Little ☐ N/A				
 6) Strengths, Weaknesses, Comments: Specific strengths-which areas/concepts are covered expecific weaknesses-which areas/concepts would likely 					
This basal has good coverage of KY standards. Areas/concepts covered exceptionally well include Structure and Transformation of Matter, Motion and Forces, Earth and the Universe, and Unity and Diversity. Areas/concepts addressed but requiring supplementation include Biological Change, Energy Transformations, and Interdependence.					
B. Functionality & Suitability	Strong Evidence Moderate Evidence Little or No Evidence				
1) Suitability	☐ Strong ☑ Moderate ☐ Little ☐ N/A				
 Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind. 					
2) Content quality	Strong				
 Free from factual errors Content is presented conceptually when possible—more than a mere collection of facts Content included accurately represents the knowledge base of the discipline Theories/scientific models contained represent a broad consensus of the scientific community 					
3) Connections to Literacy Note: may apply to either student or teacher editions	☐ Strong ☑ Moderate ☐ Little				
 Employs a variety of reading levels and is grade/level appropriate Contains pre, during, post reading activities Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles. Student text provides opportunity to integrate reading and writing Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both text and glossary Engaging text- does the text facilitate learning? Does understanding the text require having performed the imbedded activities? 					
4) Connections to Technology	☐ Strong ☑ Moderate ☐ Little				

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data

5) Support for Diverse Learners

☐ Strong
☐ Moderate
☐ Little

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms Note: may apply only to teacher edition

6) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Content addressed is adequate, however, fossils are not addressed. Teachers' guide provides literacy connections such as vocabulary, reading, and writing. Understanding the text does require performing the imbedded activities. Teachers' guide provides support for ESL and differentiated instruction. Technology is mentioned throughout the student edition in the form of web links. The web page appears, but none of the links were live. Other technology sources are referenced in the teacher's guide, however, none of these are available in the essential components.

C. Supports Inquiry and Skill Development	Strong Evidence Moderate Evidence Little or No Evidence
1) Promotes Inquiry, research and Application of Learning	Strong Moderate Little

- Provides opportunities for inquiry and research that includes activities such as self-selecting topics, formulating authentic questions, gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, time lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.
 Note: may apply to either teacher or student edition

2) Skill Development

Strong	Moderate	Little
--------	----------	--------

- Provides opportunities to make sense of data
- Provides opportunities for critical thinking and reasoning (analyze arguments, distinguish fact/opinion, recognize bias)
- Provides opportunities to examine a range of types of evidence
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

Numerous opportunities to promote inquiry and apply learning are included in both the student and teacher editions. Some of the inquiry activities require materials that are not included. Some of these materials can be obtained locally and others cannot. Each lesson is organized using the 5 -E Learning Cycle Model. Science Process skills are imbedded throughout. Science tools are used to collect data.				
D. Supports Best Practices of Teaching and Learning Strong Evidence Moderate Evidence Little or No Evidence				
 1) Engages Students ☑ Strong ☐ Moderate ☐ Little Includes content geared to the needs, interests, and abilities of students Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering. Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels Activities are truly congruent to the concepts addressed, not merely correlated Note: may apply to either teacher or student edition ☑ Strong ☑ Moderate ☐ Little 				
 Includes multiple means of assessment as an integral part of instruction Provides evaluation measures in the teacher edition that supports differentiated learning activities Embedded assessments reflect a variety of Depth of Knowledge levels <i>Note: may apply to either teacher or student edition</i> Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards 				
Student engagement is dependent on degree of implementation by the teacher. A variety of teaching strategies are an integral part of this basal. Some assessment strategies are suggested in the teachers' guide.				
E. Has an Organization/ Format that Supports Learning and Teaching Strong Evidence Moderate Evidence Little or No Evidence Little or No Evidence Little or No Evidence Moderate Moderat	ce			

• Print and/or electronic materials present minimal barriers to learners

- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively

- Has ava	lable Ancillary/ Gratis Materials	Strong Evidence		
The organization and presentation in the textbook is student friendly. Color and graphics are used well to enhance the text. Teachers' guide is user friendly with the student pages included surrounded by teacher resources. Media resources are referenced in the teachers' guide, but are not included as essential components.				
 3) Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards. 				
• Items basa	s identified as essential components support the learning goal	als and concept coverage of the		
2) Essenti	al Components (beyond student and teacher text)	☐ Strong ☑ Moderate ☐ Little		
 Uses grade-appropriate type size ncluded media are durable, easy to use and have technical merit Construction appears to be durable and able to withstand normal use 				

1) Ancillary/Gratis Materials

• Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).

Moderate Evidence

⊠ Little or No Evidence

- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

Note: The decision whether to recommend or not recommend

this resource as a basal should not be influenced by Section F

2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.